

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1215	filler near tank	USPAT	OR	OFF	2009/11/19 21:33
L2	143928	recirculation recycle recirculate "continuous flow" recirculating	USPAT	OR	OFF	2009/11/19 21:33
L3	78	L1 and L2	USPAT	OR	OFF	2009/11/19 21:33
L4	886	222/318.ccls.	USPAT	OR	OFF	2009/11/19 21:33
L5	4991	141/67.ccls. or 222/1.ccls. or 222/4.ccls. or 222/14. ccls. or 222/71.ccls. or 222/73.ccls. or 222/63. ccls. or 222/52.ccls.	US-PGPUB; USPAT	OR	OFF	2009/11/19 21:33
L6	5013	(reflux or recirculate or recirculating or recirculated or refluxed or refluxing) with (constantly or constant)	US-PGPUB; USPAT	OR	OFF	2009/11/19 21:33
L7	662	L6 with (liquid or fluid or beverage)	US-PGPUB; USPAT	OR	OFF	2009/11/19 21:33
L8	631	141/82.ccls.	US-PGPUB; USPAT	OR	OFF	2009/11/19 21:33
L9	815	141/285	US-PGPUB; USPAT; USOCR	OR	OFF	2009/11/19 21:33
L10	452	141/285.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/11/19 21:33
L11	642	141/302.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/11/19 21:33
L12	771	222/146.1.ccls.	US-PGPUB; USPAT	OR	OFF	2009/11/19 21:33
L13	901	222/318.ccls.	US-PGPUB; USPAT	OR	OFF	2009/11/19 21:33
L14	223	222/424.ccls.	US-PGPUB; USPAT	OR	OFF	2009/11/19 21:33
L15	618	137/563.ccls.	US-PGPUB; USPAT	OR	OFF	2009/11/19 21:33
L16	631	141/82.ccls.	US-PGPUB; USPAT	OR	OFF	2009/11/19 21:33
L17	815	141/285	US-PGPUB; USPAT; USOCR	OR	OFF	2009/11/19 21:33

L18	642	141/302.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/11/19 21:33
L19	771	222/146.1.ccls.	US-PGPUB; USPAT	OR	OFF	2009/11/19 21:33
L20	901	222/318.ccls.	US-PGPUB; USPAT	OR	OFF	2009/11/19 21:33
L21	223	222/424.ccls.	US-PGPUB; USPAT	OR	OFF	2009/11/19 21:33
L22	445	366/136.ccls.	US-PGPUB; USPAT	OR	OFF	2009/11/19 21:33
L23	327	366/137.ccls.	US-PGPUB; USPAT	OR	OFF	2009/11/19 21:33
L24	217	366/159.1.ccls.	US-PGPUB; USPAT	OR	OFF	2009/11/19 21:33
L25	1162	426/520-521.ccls.	US-PGPUB; USPAT	OR	OFF	2009/11/19 21:33
L26	92	(US-20060191829-\$ or US-20060162809-\$ or US-20060093538-\$ or US-20040076551-\$ or US-20030192616-\$ or US-20070039861-\$ or US-20060278093-\$ or US-20030070430-\$ or US-20020172745-\$ or US-20010004962-\$ or US-20080276641-\$ or US-20020189276-\$).did. or (US-7316249-\$ or US-6644039-\$ or US-6439437-\$ or US-6412527-\$ or US-5490547-\$ or US-4848418-\$ or US-4649809-\$ or US-3615823-\$ or US-3195589-\$ or US-2297190-\$ or US-1976768-\$ or US-0615050-\$ or US-6220296-\$ or US-5823388-\$ or US-4793515-\$ or US-4742939-\$ or US-4653532-\$ or US-4430054-\$ or US-4416194-\$ or US-4140245-\$ or US-3519015-\$ or US-2894664-\$ or US-7238280-\$ or US-6878232-\$ or US-6769462-\$ or US-6010032-\$).did. or (US-5590960-\$ or US-5485941-\$ or US-6089413-\$ or US-6959836-\$ or US-6138724-\$ or US-5502978-\$ or US-5464124-\$ or US-5330783-\$ or US-4200207-\$ or US-3949903-\$ or US-3860394-\$ or US-3650306-\$ or US-	US-PGPUB; USPAT; USOCR	OR	OFF	2009/11/19 21:33

		5275124-\$ or US-7186430-\$ or US-5908651-\$ or US-6887505-\$ or US-5480063-\$ or US-5121857-\$ or US-3686452-\$ or US-5614238-\$ or US-4809595-\$ or US-6192916-\$ or US-6158481-\$ or US-6098672-\$ or US-4414996-\$ or US-3964112-\$ or US-7243483-\$).did. or (US-6453953-\$ or US-5445195-\$ or US-2328110-\$ or US-6196422-\$ or US-5738248-\$ or US-3535124-\$ or US-3200992-\$ or US-2506412-\$ or US-1654379-\$ or US-5537838-\$ or US-5535600-\$ or US-1316528-\$ or US-7316243-\$ or US-7089955-\$ or US-6142179-\$ or US-4066097-\$ or US-2306831-\$ or US-3570715-\$ or US-6673311-\$ or US-6656423-\$ or US-6212333-\$ or US-6090281-\$ or US-6164083-\$ or US-4534986-\$).did. or (US-3374811-\$ or US-3195589-\$ or US-2733728-\$).did.				
L27	29	L26 and solid	US-PGPUB; USPAT	OR	OFF	2009/11/19 21:33
L28	0	L3 L4 L5 L7 L8 L9 L10 L11 L12 L13 L14 L15 L16 L17 L18 L19 L20 L21 L22 L23 L24 L25 L27	DERWENT	OR	OFF	2009/11/19 21:33
L29	11810	L3 L4 L5 L7 L8 L9 L10 L11 L12 L13 L14 L15 L16 L17 L18 L19 L20 L21 L22 L23 L24 L25 L27	US-PGPUB; USPAT	OR	OFF	2009/11/19 21:47
S1	536	141/82.ccls.	USPAT	OR	OFF	2008/01/24 17:14
S2	8	"67499"	DERWENT	OR	OFF	2008/01/24 17:14
S3	1	"6367499"	DERWENT	OR	OFF	2008/01/24 17:15
S4	1	"6367499"	JPO; DERWENT	OR	OFF	2008/01/24 17:15
S5	1	1988-067499	JPO; DERWENT	OR	OFF	2008/01/24 17:16
S6	0	1988-67499	JPO; DERWENT	OR	OFF	2008/01/24 17:17
S7	1	1988-067499	DERWENT	OR	OFF	2008/01/24 17:17

S8	0	"1988067499"	DERWENT	OR	OFF	2008/01/24 17:18
S9	1	"88067499"	DERWENT	OR	OFF	2008/01/24 17:18
S10	0	"8867499"	DERWENT	OR	OFF	2008/01/24 17:18
S11	1	"88067499"	DERWENT	OR	OFF	2008/01/24 17:18
S12	0	"88067499.pn."	DERWENT	OR	OFF	2008/01/24 17:18
S13	517340	"1988".py.	DERWENT	OR	OFF	2008/01/24 17:19
S14	0	(May S6 "1988").pd.	DERWENT	OR	OFF	2008/01/24 17:20
S15	0	05/06/1988.pd.	DERWENT	OR	OFF	2008/01/24 17:21
S16	0	S6.pd.	DERWENT	OR	OFF	2008/01/24 17:21
S17	0	S6.pd.	DERWENT	OR	OFF	2008/01/24 17:21
S18	0	1988JP-067499.ap.	DERWENT	OR	OFF	2008/01/24 17:22
S19	0	1988JP-067499.ap.	JPO; DERWENT	OR	OFF	2008/01/24 17:22
S20	0	jp1988067499.ap.	JPO; DERWENT	OR	OFF	2008/01/24 17:23
S21	0	jp198867499.ap.	JPO; DERWENT	OR	OFF	2008/01/24 17:23
S22	2987	"19880506".ad.	JPO; DERWENT	OR	OFF	2008/01/24 17:23
S23	2039	"19880506".ad.	DERWENT	OR	OFF	2008/01/24 17:25
S24	1127	"19880506".pd.	DERWENT	OR	OFF	2008/01/24 17:28
S25	1	"6667499".pn.	DERWENT	OR	OFF	2008/01/24 17:30
S26	0	"6667499".an.	DERWENT	OR	OFF	2008/01/24 17:31
S27	1	"6667499"	DERWENT	OR	OFF	2008/01/24 17:31
S28	0	"JP 6667499"	DERWENT	OR	OFF	2008/01/24 17:31
S29	0	"JP 6367499"	DERWENT	OR	OFF	2008/01/24 17:31
S30	1	"6367499"	DERWENT	OR	OFF	2008/01/24 17:31
S31	0	"6367499"	JPO	OR	OFF	2008/01/24 17:31

S32	948	"19880506".ad.	JPO	OR	OFF	2008/01/24 17:32
S33	0	"63067499"	JPO	OR	OFF	2008/01/24 17:33
S34	0	"63067499"	JPO; DERWENT	OR	OFF	2008/01/24 17:33
S35	0	"63-67499"	JPO; DERWENT	OR	OFF	2008/01/24 17:33
S36	0	jp-6367499-\$.did.	JPO; DERWENT	OR	OFF	2008/01/24 17:36
S37	0	jp-886367499-\$.did.	JPO; DERWENT	OR	OFF	2008/01/24 17:36
S38	0	"886367499"	JPO; DERWENT	OR	OFF	2008/01/24 17:37
S39	1	jp-61160823-\$.did.	JPO; DERWENT	OR	OFF	2008/01/24 17:40
S40	2242	"19861022".ad.	JPO; DERWENT	OR	OFF	2008/01/24 17:42
S41	5	"160823"	JPO; DERWENT	OR	OFF	2008/01/24 17:45
S42	1	"61160823"	JPO; DERWENT	OR	OFF	2008/01/24 17:45
S43	2	((I(CHOI) near2 (TAKEDA)).INV.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/01/24 17:46
S44	9	((KENICHI) near2 (TSUKANO)).INV.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/01/24 17:47
S45	10	((KATSUNORI) near2 (TANIKAWA)).INV.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/01/24 17:50
S46	3	((MASAAKI) near2 (EDA)). INV.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/01/24 17:51
S47	4501	canfield	USPAT	OR	OFF	2008/01/24 18:57
S48	0	".in."	USPAT	OR	OFF	2008/01/24 18:57
S49	435	canfield.in.	USPAT	OR	OFF	2008/01/24 18:57
S50	26	("2018119"   "2894664"   "2972546"   "3195589"   "3235129"   "3519015"   "4140245"   "4416194"   "4430054"   "4653532"   "4742939"   "4793515"   "5062548"   "5275212"   "5665228"   "5738248"   "5823388"   "6220296"   "6317903").PN. OR ("6439437").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/01/24 19:48
S51	3	("3195589").URPN.	USPAT	OR	OFF	2008/01/24 19:57

S52	15	("1766287"   "3259273"   "3370755"   "3731845"   "4148334").PN. OR ("4793515").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/01/28 17:18
S53	26	("2018119"   "2894664"   "2972546"   "3195589"   "3235129"   "3519015"   "4140245"   "4416194"   "4430054"   "4653532"   "4742939"   "4793515"   "5062548"   "5275212"   "5665228"   "5738248"   "5823388"   "6220296"   "6317903").PN. OR ("6439437").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/01/28 17:25
S54	39	("3011681"   "3162323"   "3215312"   "3223388"   "3266672"   "3731845"   "3813010"   "4061271"   "4148334"   "4304736").PN. OR ("4742939").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/01/28 17:32
S55	339	dispenser with recirculat\$4	US-PGPUB; USPAT; USOCR	OR	OFF	2008/01/28 17:37
S56	0	("2006/0093538").URPN.	USPAT	OR	OFF	2008/01/28 17:53
S57	5	("5500081"   "5791970"   "6200414"   "6207068").PN. OR ("6878232").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/01/28 18:12
S58	23	("20020048213"   "4019653"   "4705083"   "4813000"   "5065695"   "5108074"   "5129551"   "5148945"   "5305917"   "5328057"   "5485941"   "5590960"   "5632314"   "5738716"   "5938080"   "6010032"   "6152999"   "6174356"   "6183548"   "6258323"   "6439437").PN. OR ("6769462").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/01/28 18:32
S59	10	("3216622"   "4371096"   "5556002").PN. OR ("5823388").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/01/28 19:08
S60	3	("3195589").URPN.	USPAT	OR	OFF	2008/01/28 19:26
S61	364	dispenser with liquid with solid	USPAT	OR	OFF	2008/01/28 19:28
S62	1163	filler near tank	USPAT	OR	OFF	2008/01/29 14:23
S63	136189	recirculation recycle recirculate "continuous flow" recirculating	USPAT	OR	OFF	2008/01/29 14:24

S64	73	S62 and S63	USPAT	OR	OFF	2008/01/29 14:24
S65	62	filler with recirculation	USPAT	OR	OFF	2008/01/29 14:40
S66	52	beverage with (recirculat \$4 or loop or "continuous flow" or recycle recover or recovery) with (sterilize or heat or pasteuriz\$5)	USPAT	OR	OFF	2008/01/29 15:33
S67	1	"6112541".PN.	USPAT; USOCR	OR	OFF	2008/01/29 15:43
S68	292	"constant flow" with dispens\$4	USPAT	OR	OFF	2008/01/29 16:08
S69	1	"filler tank" with dispenser	USPAT	OR	OFF	2008/01/29 16:47
S70	99	"filler tank"	USPAT	OR	OFF	2008/01/29 16:49
S71	882	222/318.cds.	USPAT	OR	OFF	2008/01/29 17:03
S72	21	overflow near5 direct near5 valve	USPAT	OR	OFF	2008/01/29 17:37
S73	21	(probe or sensor or float) near5 "overflow valve"	USPAT	OR	OFF	2008/01/29 17:42
S74	7	beverage with "solid component"	USPAT	OR	OFF	2008/01/30 10:48
S75	777	juice near5 pulp	USPAT	OR	OFF	2008/01/30 10:57
S76	15	beverage near sedimen\$6	USPAT	OR	OFF	2008/01/30 10:59
S77	0	("(1111111 2222222  3333333)").PN.	USPAT; USOCR	OR	OFF	2008/01/30 11:12
S78	3	(1111111 2222222  3333333).pn.	USPAT	OR	OFF	2008/01/30 11:12
S79	26	bottling and juice near5 pulp	USPAT	OR	OFF	2008/01/30 11:36
S80	7	("4441406").PN. OR ("5614238").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/01/30 11:53
S81	42	(overflow or overfill) with (redirect or divert or siphon) with valve with (sensor or probe or float)	US-PGPUB; USPAT; USOCR	OR	OFF	2008/01/30 12:11
S82	0	overflow near trigger near pump	US-PGPUB; USPAT; USOCR	OR	OFF	2008/01/30 12:40
S83	0	overflow near5 trigger near5 pump	US-PGPUB; USPAT; USOCR	OR	OFF	2008/01/30 12:40
S84	6	(fill or overflow or overfill) near5 (sensor or probe or float) with trigger with (divert or drain or pump)	US-PGPUB; USPAT; USOCR	OR	OFF	2008/01/30 12:42

S85	41	(fill or overflow or overflow) near5 trigger near10 (divert or drain or pump)	US-PGPUB; USPAT; USOCR	OR	OFF	2008/01/30 12:46
S86	2664	(sensor or float or probe or meter) near4 (fill or overflow or overflow or level) with open near4 valve	US-PGPUB; USPAT; USOCR	OR	OFF	2008/01/30 15:26
S87	1794	(sensor or float or probe or meter) near4 (fill or overflow or overflow or level) near10 open near4 valve	US-PGPUB; USPAT; USOCR	OR	OFF	2008/01/30 15:27
S88	50	("0580169"   "1095463"   "1727733"   "2428044"   "2713973"   "2738852"   "2772979"   "3018184"   "3200568"   "3232770"   "3368330"   "3891779"   "3973048"   "4023941"   "4087261"   "4210176"   "4343630"   "4419301"   "4486203"   "4560564"   "4637936"   "4684531"   "4755194"   "4853246"   "4872919"   "4876100"   "5020303"   "5085882"   "5141756"   "5242701"   "5261282"   "5308384"   "5403475"   "5405435"   "5443857"   "5494691"   "5503064"   "5514389"   "5804240").PN. OR ("5908651").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/01/30 16:44
S89	34	"249466"	USPAT; JPO; DERWENT	OR	OFF	2008/03/18 11:33
S90	1	"7033406".pn.	DERWENT	OR	OFF	2008/05/19 13:54
S91	1	"5515888".pn.	US-PGPUB; USPAT	OR	OFF	2008/06/04 17:04
S92	1	"6499517".pn.	US-PGPUB; USPAT	OR	OFF	2008/06/04 17:05
S93	4627	141/67.ccls. or 222/1.ccls. or 222/4.ccls. or 222/14. ccls. or 222/71.ccls. or 222/73.ccls. or 222/63. ccls. or 222/52.ccls.	US-PGPUB; USPAT	OR	OFF	2008/06/04 17:08
S94	1	(filling and pump and valve and meter and quantity and pressure and constant and after-run).clm.	US-PGPUB; USPAT	OR	OFF	2008/06/04 17:14
S95	27	141/13.ccls.	US-PGPUB; USPAT	OR	OFF	2008/06/04 17:25



S96	2	(5908651 4809595).pn.	US-PGPUB; USPAT	OR	OFF	2008/07/03 16:37
S97	20	("4687137"   "4850514"   "5277344"   "5407101"   "5458684"   "5620139"). PN. OR ("6089413").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/16 11:28
S98	18	("5336320"   "5407101"   "5747102"   "5934520"   "6036106"   "6056155"   "6089413"   "6164568"   "6253957"   "6296463"   "6422428"   "RE33481"). PN. OR ("6669057").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/16 11:32
S99	0	("2006/0093538").URPN.	USPAT	OR	OFF	2009/02/09 13:09
S100	4889	(reflux or recirculate or recirculating or recirculated or refluxed or refluxing) with (constantly or constant)	US-PGPUB; USPAT	OR	OFF	2009/02/09 14:25
S101	643	S100 with (liquid or fluid or beverage)	US-PGPUB; USPAT	OR	OFF	2009/02/09 14:25
S102	6	S100 and "141".clas.	US-PGPUB; USPAT	OR	OFF	2009/02/09 14:46
S103	614	141/82.ccls.	US-PGPUB; USPAT	OR	OFF	2009/02/09 14:47
S104	26	("2018119"   "2894664"   "2972546"   "3195589"   "3235129"   "3519015"   "4140245"   "4416194"   "4430054"   "4653532"   "4742939"   "4793515"   "5062548"   "5275212"   "5665228"   "5738248"   "5823388"   "6220296"   "6317903").PN. OR ("6439437").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/09 14:54
S105	38	("2485246"   "2661015"   "2830613"   "2975347"   "3276634"   "3521704"   "3645327"   "3669314"). PN. OR ("4055279").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/09 15:08
S106	796	141/285	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/09 15:22
S107	778	S106 not S103	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/09 15:22
S108	447	141/285.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/09 15:45
S109	635	141/302.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/09 15:45
S110	1392	S103 S106	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/09 15:45

S111	544	S109 not S110	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/09 15:45
S112	1936	S109 S110	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/09 16:11
S114	762	222/146.1.ccls.	US-PGPUB; USPAT	OR	OFF	2009/02/09 16:11
S115	744	S114 not S112	US-PGPUB; USPAT	OR	OFF	2009/02/09 16:11
S116	896	222/318.ccls.	US-PGPUB; USPAT	OR	OFF	2009/02/09 17:21
S117	2547	S114 S112	US-PGPUB; USPAT	OR	OFF	2009/02/09 17:21
S118	859	S116 not S117	US-PGPUB; USPAT	OR	OFF	2009/02/09 17:21
S119	10	("1654379").URPN.	USPAT	OR	OFF	2009/02/09 19:02
S120	223	222/424.ccls.	US-PGPUB; USPAT	OR	OFF	2009/02/09 19:14
S121	3406	S116 S117	US-PGPUB; USPAT	OR	OFF	2009/02/09 19:14
S122	189	S120 not S121	US-PGPUB; USPAT	OR	OFF	2009/02/09 19:14
S123	0	"jason niesz"	USPAT	OR	OFF	2009/02/10 15:28
S124	39	niesz	USPAT	OR	OFF	2009/02/10 15:28
S125	7	jason and niesz	USPAT	OR	OFF	2009/02/10 15:29
S126	614	137/563.ccls.	US-PGPUB; USPAT	OR	OFF	2009/02/10 16:24
S127	614	141/82.ccls.	US-PGPUB; USPAT	OR	OFF	2009/02/10 16:25
S128	796	141/285	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/10 16:25
S129	637	141/302.ccls.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/10 16:25
S130	1392	S127 S128	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/10 16:25
S131	1938	S129 S130	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/10 16:25
S132	762	222/146.1.ccls.	US-PGPUB; USPAT	OR	OFF	2009/02/10 16:25
S133	896	222/318.ccls.	US-PGPUB; USPAT	OR	OFF	2009/02/10 16:25
S134	2549	S132 S131	US-PGPUB; USPAT	OR	OFF	2009/02/10 16:25
S135	223	222/424.ccls.	US-PGPUB; USPAT	OR	OFF	2009/02/10 16:25

S136	3408	S133 S134	US-PGPUB; USPAT	OR	OFF	2009/02/10 16:25
S137	189	S135 not S136	US-PGPUB; USPAT	OR	OFF	2009/02/10 16:25
S138	189	S137	US-PGPUB; USPAT	OR	OFF	2009/02/10 16:25
S139	3597	S135 S136	US-PGPUB; USPAT	OR	OFF	2009/02/10 16:25
S140	581	S126 not S139	US-PGPUB; USPAT	OR	OFF	2009/02/10 16:25
S141	4178	S126 S139	US-PGPUB; USPAT	OR	OFF	2009/02/10 17:24
S142	442	366/136.ccls.	US-PGPUB; USPAT	OR	OFF	2009/02/10 17:25
S143	325	366/137.ccls.	US-PGPUB; USPAT	OR	OFF	2009/02/10 18:06
S144	2703	"3631" S142	US-PGPUB; USPAT	OR	OFF	2009/02/10 18:06
S145	4605	S141 S142	US-PGPUB; USPAT	OR	OFF	2009/02/10 18:06
S146	273	S143 not S145	US-PGPUB; USPAT	OR	OFF	2009/02/10 18:07
S147	216	366/159.1.ccls.	US-PGPUB; USPAT	OR	OFF	2009/02/10 18:18
S148	4878	S143 S145	US-PGPUB; USPAT	OR	OFF	2009/02/10 18:19
S149	152	S147 not S148	US-PGPUB; USPAT	OR	OFF	2009/02/10 18:19
S150	5030	S147 S148	US-PGPUB; USPAT	OR	OFF	2009/02/10 18:24
S151	1686	S150 and (constantly or constant or continuous or continuously)	US-PGPUB; USPAT	OR	OFF	2009/02/10 18:24
S152	286	S150 and ((constantly or constant or continuous or continuously) with (reflux or return recirculate or recirculation or recirculating or refluxing or recirculated or returned or refluxed))	US-PGPUB; USPAT	OR	OFF	2009/02/10 18:26
S153	8	"3570715"	US-PGPUB; USPAT	OR	OFF	2009/02/11 11:10
S154	0	"3570715.pn."	US-PGPUB; USPAT	OR	OFF	2009/02/11 11:10
S155	1	"3570715".pn.	US-PGPUB; USPAT	OR	OFF	2009/02/11 11:10

S156	79	(US-20060191829-\$ or US-20060162809-\$ or US-20060093538-\$ or US-20040076551-\$ or US-20030192616-\$).did. or (US-7316249-\$ or US-6644039-\$ or US-6439437-\$ or US-6412527-\$ or US-5490547-\$ or US-4848418-\$ or US-4649809-\$ or US-3615823-\$ or US-3195589-\$ or US-2297190-\$ or US-1976768-\$ or US-0615050-\$ or US-6220296-\$ or US-5823388-\$ or US-4793515-\$ or US-4742939-\$ or US-4653532-\$ or US-4430054-\$ or US-4416194-\$ or US-4140245-\$ or US-3519015-\$ or US-2894664-\$ or US-7238280-\$ or US-6878232-\$ or US-6769462-\$ or US-6010032-\$).did. or (US-5590960-\$ or US-5485941-\$ or US-6089413-\$ or US-6959836-\$ or US-6138724-\$ or US-5502978-\$ or US-5464124-\$ or US-5330783-\$ or US-4200207-\$ or US-3949903-\$ or US-3860394-\$ or US-3650306-\$ or US-5275124-\$ or US-7186430-\$ or US-5908651-\$ or US-6887505-\$ or US-5480063-\$ or US-5121857-\$ or US-3686452-\$ or US-5614238-\$ or US-4809595-\$ or US-6192916-\$ or US-6158481-\$ or US-6098672-\$ or US-4414996-\$ or US-3964112-\$ or US-7243483-\$).did. or (US-6453953-\$ or US-5445195-\$ or US-2328110-\$ or US-6196422-\$ or US-5738248-\$ or US-3535124-\$ or US-3200992-\$ or US-2506412-\$ or US-1654379-\$ or US-5537838-\$ or US-5535600-\$ or US-1316528-\$ or US-7316243-\$ or US-7089955-\$ or US-6142179-\$ or US-4066097-\$ or US-2306831-\$ or US-3570715-\$).did. or (US-3374811-\$ or US-3195589-\$ or US-2733728-\$).did.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/12 14:06
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S157	24	S156 and sensor	US-PGPUB; USPAT	OR	OFF	2009/02/12 14:07
S158	32	S156 and (heat or heater or pasteurize)	US-PGPUB; USPAT	OR	OFF	2009/02/12 14:18
S159	144	(water with heat with sterilize)	US-PGPUB; USPAT	OR	OFF	2009/02/12 14:46
S160	88	(US-20060191829-\$ or US- 20060162809-\$ or US- 20060093538-\$ or US- 20040076551-\$ or US- 20030192616-\$ or US- 20070039861-\$ or US- 20060278093-\$ or US- 20030070430-\$ or US- 20020172745-\$ or US- 20010004962-\$).did. or (US-7316249-\$ or US- 6644039-\$ or US-6439437- \$ or US-6412527-\$ or US- 5490547-\$ or US-4848418- \$ or US-4649809-\$ or US- 3615823-\$ or US-3195589- \$ or US-2297190-\$ or US- 1976768-\$ or US-0615050- \$ or US-6220296-\$ or US- 5823388-\$ or US-4793515- \$ or US-4742939-\$ or US- 4653532-\$ or US-4430054- \$ or US-4416194-\$ or US- 4140245-\$ or US-3519015- \$ or US-2894664-\$ or US- 7238280-\$ or US-6878232- \$ or US-6769462-\$ or US- 6010032-\$).did. or (US- 5590960-\$ or US-5485941- \$ or US-6089413-\$ or US- 6959836-\$ or US-6138724- \$ or US-5502978-\$ or US- 5464124-\$ or US-5330783- \$ or US-4200207-\$ or US- 3949903-\$ or US-3860394- \$ or US-3650306-\$ or US- 5275124-\$ or US-7186430- \$ or US-5908651-\$ or US- 6887505-\$ or US-5480063- \$ or US-5121857-\$ or US- 3686452-\$ or US-5614238- \$ or US-4809595-\$ or US- 6192916-\$ or US-6158481- \$ or US-6098672-\$ or US- 4414996-\$ or US-3964112- \$ or US-7243483-\$).did. or (US-6453953-\$ or US- 5445195-\$ or US-2328110- \$ or US-6196422-\$ or US- 5738248-\$ or US-3535124-	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/12 18:08

		\$ or US-3200992-\$ or US-2506412-\$ or US-1654379-\$ or US-5537838-\$ or US-5535600-\$ or US-1316528-\$ or US-7316243-\$ or US-7089955-\$ or US-6142179-\$ or US-4066097-\$ or US-2306831-\$ or US-3570715-\$ or US-6673311-\$ or US-6656423-\$ or US-6212333-\$ or US-6090281-\$).did. or (US-3374811-\$ or US-3195589-\$ or US-2733728-\$).did.				
S161	15	S160 and (sterilize or sterilized)	US-PGPUB; USPAT	OR	OFF	2009/02/12 18:08
S162	1	"6656423".pn.	US-PGPUB; USPAT	OR	OFF	2009/02/13 17:14
S163	1	"5502978".pn.	US-PGPUB; USPAT	OR	OFF	2009/02/13 17:15
S164	1	"1654379".pn.	US-PGPUB; USPAT	OR	OFF	2009/02/13 17:15
S165	3	S162 S163 S164	US-PGPUB; USPAT	OR	OFF	2009/02/13 17:15
S166	19	("3118289"   "4957624"   "5083442").PN. OR ("5502978").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/08/03 11:52
S167	1151	426/520-521.cds.	US-PGPUB; USPAT	OR	OFF	2009/08/03 12:11
S168	178765	recycle recirculate or (return with (line or pipe))	US-PGPUB; USPAT	OR	OFF	2009/08/03 12:12
S169	57	S167 and S168	US-PGPUB; USPAT	OR	OFF	2009/08/03 12:12
S170	101	beverage with (recirculate or recirculated or recirculation)	US-PGPUB; USPAT	OR	OFF	2009/08/03 12:16
S171	0	jp-200172189-\$.did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/08/03 13:12
S172	0	jp-72189-\$.did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/08/03 13:12

S173	92	(US-20060191829-\$ or US-20060162809-\$ or US-20060093538-\$ or US-20040076551-\$ or US-20030192616-\$ or US-20070039861-\$ or US-20060278093-\$ or US-20030070430-\$ or US-20020172745-\$ or US-20010004962-\$ or US-20080276641-\$ or US-20020189276-\$).did. or (US-7316249-\$ or US-6644039-\$ or US-6439437-\$ or US-6412527-\$ or US-5490547-\$ or US-4848418-\$ or US-4649809-\$ or US-3615823-\$ or US-3195589-\$ or US-2297190-\$ or US-1976768-\$ or US-0615050-\$ or US-6220296-\$ or US-5823388-\$ or US-4793515-\$ or US-4742939-\$ or US-4653532-\$ or US-4430054-\$ or US-4416194-\$ or US-4140245-\$ or US-3519015-\$ or US-2894664-\$ or US-7238280-\$ or US-6878232-\$ or US-6769462-\$ or US-6010032-\$).did. or (US-5590960-\$ or US-5485941-\$ or US-6089413-\$ or US-6959836-\$ or US-6138724-\$ or US-5502978-\$ or US-5464124-\$ or US-5330783-\$ or US-4200207-\$ or US-3949903-\$ or US-3860394-\$ or US-3650306-\$ or US-5275124-\$ or US-7186430-\$ or US-5908651-\$ or US-6887505-\$ or US-5480063-\$ or US-5121857-\$ or US-3686452-\$ or US-5614238-\$ or US-4809595-\$ or US-6192916-\$ or US-6158481-\$ or US-6098672-\$ or US-4414996-\$ or US-3964112-\$ or US-7243483-\$).did. or (US-6453953-\$ or US-5445195-\$ or US-2328110-\$ or US-6196422-\$ or US-5738248-\$ or US-3535124-\$ or US-3200992-\$ or US-2506412-\$ or US-1654379-\$ or US-5537838-\$ or US-5535600-\$ or US-1316528-\$ or US-7316243-\$ or US-7089955-\$ or US-6142179-	US-PGPUB; USPAT; USOCR	OR	OFF	2009/08/03 17:31
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		\$ or US-4066097-\$ or US-2306831-\$ or US-3570715-\$ or US-6673311-\$ or US-6656423-\$ or US-6212333-\$ or US-6090281-\$ or US-6164083-\$ or US-4534986-\$).did. or (US-3374811-\$ or US-3195589-\$ or US-2733728-\$).did.				
S174	29	S173 and solid	US-PGPUB; USPAT	OR	OFF	2009/08/03 17:31

## EAST Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L30	1	(liquid and filling and method and storage and tank and filler and returned and piping and refluxed and constantly and detecting and controlled and solid and component).clm.	US-PGPUB; USPAT; UPAD	OR	OFF	2009/11/19 22:02
L31	0	(liquid and filling and apparatus and line and storage and tank and filler and returned and constantly and circulates and detecting and amount and solid and component).clm.	US-PGPUB; USPAT; UPAD	OR	OFF	2009/11/19 22:03
L32	1	(liquid and filling and apparatus and line and storage and tank and filler and returned and constantly and circulates and detecting and amount and solid and component).clm.	US-PGPUB; USPAT; UPAD	OR	OFF	2009/11/19 22:03

11/ 19/ 2009 10:03:37 PM

C:\Documents and Settings\jniesz\My Documents\EAST\Workspaces\10538643.wsp